BID DATE: February 17, 2015 CODE: 4060-P13015

REF. I			ENGINEER'S		1. Kenmore Const		2. Liberta Constru	
NO. N		QTY. UNIT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
1	103.05 Contract Performance Bond	1 L.S.	\$25,000.00	\$25,000.00	\$35,000.00	\$35,000.00	\$41,900.00	\$41,900.00
2	201 Tree Removal, 18"	20 EACH	\$300.00	\$6,000.00	\$300.00	\$6,000.00	\$400.20	\$8,004.00
3	201 Tree Removal, 30"	1 EACH	\$400.00	\$400.00	\$1,400.00	\$1,400.00	\$1,612.40	\$1,612.40
4	202 Pipe Abandonded	256 L.F.	\$10.00	\$2,560.00	\$10.00	\$2,560.00	\$18.60	\$4,761.60
5	202 Pipe Removed	100 L.F.	\$5.00	\$500.00	\$12.00	\$1,200.00	\$24.40	\$2,440.00
6	203 Excavation Including Embankment Construction	13877 C.Y.	\$15.00	\$208,155.00	\$18.00	\$249,786.00	\$20.00	\$277,540.00
7	203 Aggregate Refill Type 1	3000 C.Y.	\$30.00	\$90,000.00	\$48.00	\$144,000.00	\$1.00	\$3,000.00
8	203 Aggregate Refill Type 2	3000 C.Y.	\$30.00	\$90,000.00	\$50.00	\$150,000.00	\$1.00	\$3,000.00
9	207 Straw or Hay Bales	132 EACH	\$2.00	\$264.00	\$5.00	\$660.00	\$1.15	\$151.80
10	252 Trenches for Water Services	40 L.F.	\$15.00	\$600.00	\$15.00	\$600.00	\$1.15	\$46.00
11	254 10 inch Ductile Iron Pipe	20 L.F.	\$100.00	\$2,000.00	\$300.00	\$6,000.00	\$177.50	\$3,550.00
12	254 6 inch Ductile Iron Pipe	100 L.F.	\$100.00	\$10,000.00	\$120.00	\$12,000.00	\$48.80	\$4,880.00
13	258 6 inch Valve	4 EACH.	\$800.00	\$3,200.00	\$700.00	\$2,800.00	\$858.40	\$3,433.60
14	259 12 inch x 6 inch Tapping Sleeve	3 EACH	\$1,500.00	\$4,500.00	\$3,000.00	\$9,000.00	\$3,201.00	\$9,603.00
15	259 10 inch x 6 inch Tapping Sleeve	1 EACH	\$1,500.00	\$1,500.00	\$4,000.00	\$4,000.00	\$2,672.25	\$2,672.25
16	259 6 inch 45 Degree Bend	1 EACH	\$500.00	\$500.00	\$200.00	\$200.00	\$278.40	\$278.40
17	259 6 inch 90 Degree Bend	3 EACH	\$500.00	\$1,500.00	\$200.00	\$600.00	\$295.80	\$887.40
18	259 10 inch 45 Degree Bend	4 EACH	\$800.00	\$3,200.00	\$350.00	\$1,400.00	\$748.20	\$2,992.80
19	260 Fire Hydrant	3 EACH	\$1,500.00	\$4,500.00	\$3,000.00	\$9,000.00	\$4,524.00	\$13,572.00
20	260 Fire Hydrant, Reset	6 EACH	\$1,000.00	\$6,000.00	\$900.00	\$5,400.00	\$1,740.00	\$10,440.00
21	265 Water Main Valve Adjust	42 EACH	\$1,000.00	\$42,000.00	\$150.00	\$6,300.00	\$87.00	\$3,654.00
22	207 Filter Fabric Fence	5000 L.F.	\$3.00	\$15,000.00	\$0.50	\$2,500.00	\$0.10	\$500.00
23	301 6 inch Bituminous Aggregate Base	2700 C.Y.	\$100.00	\$270,000.00	\$100.00	\$270,000.00	\$126.45	\$341,415.00
24	304 Aggregate Base, 12" Thick (Limestone Only)	7950 C.Y.	\$30.00	\$238,500.00	\$46.00	\$365,700.00	\$45.50	\$361,725.00
25	404 Asphalt Concrete, 4" Thick Driveway Reconstruction	150 S.Y.	\$150.00	\$22,500.00	\$40.00	\$6,000.00	\$45.25	\$6,787.50
26	407 Tack Coat	862 Gal	\$2.00	\$1,724.00	\$2.00	\$1,724.00	\$2.30	\$1,982.60
27	446 Asphalt Concrete Intermediate Course, Type 2, Mediui	1350 C.Y.	\$110.00	\$148,500.00	\$124.00	\$167,400.00	\$146.15	\$197,302.50
28	446 Asphalt Concrete Surface Course, Type 1, Medium, Pt	600 C.Y.	\$130.00	\$78,000.00	\$142.00	\$85,200.00	\$170.50	\$102,300.00
29	451 8" Reinforced Portland Cement Concrete Pavement wi	7750 S.Y.	\$60.00	\$465,000.00	\$72.00	\$558,000.00	\$69.50	\$538,625.00
30	452 7" Portland Cement Concrete Pavement, Parking	260 S.Y.	\$20.00	\$5,200.00	\$49.00	\$12,740.00	\$52.35	\$13,611.00
31	455 Curb, Type 6" X 18"	11000 L.F.	\$20.00	\$220,000.00	\$17.00	\$187,000.00	\$13.50	\$148,500.00
32	456 Concrete Walk, 4 inches Thick House Walk	200 S.F.	\$6.00	\$1,200.00	\$5.00	\$1,000.00	\$5.25	\$1,050.00
33	456 Concrete Driveway Reconstruction, 6 inches Thick	2500 S.F.	\$6.00	\$15,000.00	\$6.00	\$15,000.00	\$5.25	\$13,125.00
34	456 Concrete Walk, 6 inches Thick	50000 S.F.	\$6.00	\$300,000.00	\$5.50	\$275,000.00	\$5.25	\$262,500.00
35	456 Curb Ramps	69 EACH	\$500.00	\$34,500.00	\$450.00	\$31,050.00	\$150.00	\$10,350.00
36	456 Concrete Aprons, 6 inches Thick	10000 S.F.	\$6.00	\$60,000.00	\$6.00	\$60,000.00	\$5.25	\$52,500.00
37	552 12in Storm Sewer, Type A, Class B Bedding	70 L.F.	\$50.00	\$3,500.00	\$80.00	\$5,600.00	\$70.00	\$4,900.00
38	552 15in Storm Sewer, Type A, Class B Bedding	10 L.F.	\$100.00	\$1,000.00	\$80.00	\$800.00	\$153.90	\$1,539.00
39	552 18in Storm Sewer, Type A, Class B Bedding	10 L.F.	\$100.00	\$1,000.00	\$80.00	\$800.00	\$161.05	\$1,610.50
40	553 12in Inlet Connection, Type A, Class Bedding	380 L.F.	\$60.00	\$22,800.00	\$70.00	\$26,600.00	\$70.00	\$26,600.00
41	556 House Drain Pipe, Complete	200 EACH	\$25.00	\$5,000.00	\$1.00	\$200.00	\$25.00	\$5,000.00
42	556 House Drain Pipe, Type A	1000 L.F.	\$5.00	\$5,000.00	\$0.01	\$10.00	\$1.00	\$1,000.00
43	556 House Drain Pipe, Type B	500 L.F.	\$5.00	\$2,500.00	\$0.01	\$5.00	\$1.00	\$500.00
44	557 10 inch Sanitary Sewer, Type A, Class B Bedding	50 L.F.	\$100.00	\$5,000.00	\$90.00	\$4,500.00	\$208.90	\$10,445.00
45	562 Manhole MH-2A on Storm Sewer	2 EACH	\$1,800.00	\$3,600.00	\$3,500.00	\$7,000.00	\$2,979.15	\$5,958.30

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BID DATE: February 17, 2015 CODE: 4060-P13015

REF. I	TEM		ENGINEER'S E	STIMATE	1. Kenmore Const	ruction	2. Liberta Constru	ction
NO. N	NO. DESCRIPTION	QTY. UNIT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
46	562 Brick Manhole Adjusted	60 EACH	\$300.00	\$18,000.00	\$300.00	\$18,000.00	\$425.00	\$25,500.00
47	563 Inlet, Double No. 5 (Casting Provided)	2 EACH	\$500.00	\$1,000.00	\$1,350.00	\$2,700.00	\$1,489.90	\$2,979.80
48	563 Inlet, No. 5 (Casting provided)	44 EACH	\$1,000.00	\$44,000.00	\$1,200.00	\$52,800.00	\$1,156.95	\$50,905.80
49	564 4 inch Pipe Underdrains	11000 L.F.	\$4.00	\$44,000.00	\$5.50	\$60,500.00	\$5.00	\$55,000.00
50	603 Limestone	100 C.Y.	\$25.00	\$2,500.00	\$50.00	\$5,000.00	\$10.00	\$1,000.00
51	603 Limestone for Driveway Reconstruction, 6" Thick	40 S.Y.	\$15.00	\$600.00	\$15.00	\$600.00	\$8.15	\$326.00
52	604 Bank Run Gravel	100 C.Y.	\$10.00	\$1,000.00	\$0.01	\$1.00	\$39.45	\$3,945.00
53	609 Engineering Grid for Roadways, Type BX1200	12000 S.Y.	\$5.00	\$60,000.00	\$2.25	\$27,000.00	\$0.25	\$3,000.00
54	613 Engineering Grid for Roadways, Type BX1300	12000 S.Y.	\$5.00	\$60,000.00	\$3.50	\$42,000.00	\$0.25	\$3,000.00
55	614 Uniformed Law Enforcement Officer	200 HOUR	\$35.00	\$7,000.00	\$35.00	\$7,000.00	\$35.00	\$7,000.00
56	616 Maintaining Traffic	1 L.S.	\$20,000.00	\$20,000.00	\$50,000.00	\$50,000.00	\$138,800.00	\$138,800.00
57	619 Calcium Chloride	3 Tons	\$50.00	\$150.00	\$100.00	\$300.00	\$1.15	\$3.45
	ODOT							
58	645 Field Office	1 L.S.	\$5,000.00	\$5,000.00	\$3,000.00	\$3,000.00	\$15,000.00	\$15,000.00
	ODOT						*	
59	645 Channelizing Lines, 8 Inch	265 L.F.	\$2.00	\$530.00	\$5.00	\$1,325.00	\$14.30	\$3,789.50
00	ODOT	400 5	Φ0.00	000400	# 40.00	# 0.400.00	040.05	# 0.000.00
60	645 Transverse Lines ODOT	192 L.F.	\$2.00	\$384.00	\$13.00	\$2,496.00	\$19.25	\$3,696.00
C4		9 L.F.	¢400.00	#2.000.00	ФГОО ОО	¢4.500.00	<u></u>	#4 004 00
61	645 Lane Arrows ODOT	9 L.F.	\$400.00	\$3,600.00	\$500.00	\$4,500.00	\$209.00	\$1,881.00
62	645 Bike Lane, 4" Solid	8000 L.F.	\$1.25	\$10,000.00	\$3.50	\$28,000.00	\$6.60	\$52,800.00
02	ODOT	0000 L.F.	φ1.25	\$10,000.00	φ3.50	φ20,000.00	φ0.00	φ52,600.00
63	645 Bike Lane Symbol	16 EACH	\$500.00	\$8,000.00	\$700.00	\$11,200.00	\$220.00	\$3,520.00
00	ODOT	10 17.011	ψοσο.σσ	ψ0,000.00	Ψ100.00	ψ11,200.00	Ψ220.00	ψ0,020.00
64	645 Parking Lot Stall Marking, 4in	328 L.F.	\$1.25	\$410.00	\$3.50	\$1,148.00	\$8.80	\$2,886.40
•	ODOT		¥ 1.==	*******	V	4 1,1 10100	******	+ =,===================================
65	645 Dashed Line, Lane Line, 4in	350 L.F.	\$1.25	\$437.50	\$3.50	\$1,225.00	\$13.20	\$4,620.00
	ODOT		·	·	•		·	. ,
66	645 Stop Lines	430 L.F.	\$6.00	\$2,580.00	\$14.00	\$6,020.00	\$19.25	\$8,277.50
	ODOT							
67	645 Crosswalk Line	1700 L.F.	\$5.00	\$8,500.00	\$25.00	\$42,500.00	\$14.10	\$23,970.00
68	622 Center Line, Double Solid	10000 L.F.	\$2.50	\$25,000.00	\$3.50	\$35,000.00	\$7.50	\$75,000.00
69	623 Monument Boxes (Casting provided)	17 EACH	\$300.00	\$5,100.00	\$350.00	\$5,950.00	\$290.00	\$4,930.00
70	624 Construction Layout Stakes	1 L.S.	\$10,000.00	\$10,000.00	\$15,000.00	\$15,000.00	\$41,115.00	\$41,115.00
71	625 Mobilization	1 L.S.	\$25,000.00	\$25,000.00	\$50,000.00	\$50,000.00	\$130,000.00	\$130,000.00
72	625 AWG No. 4 Type USE Copper 600 Volt Distribution	6830 L.F.	\$2.50	\$17,075.00	\$2.00	\$13,660.00	\$2.35	\$16,050.50
73	625 2" PVC Sch. 40 Conduit	6830 L.F.	\$6.00	\$40,980.00	\$3.00	\$20,490.00	\$3.50	\$23,905.00
74	625 4 unit Mole Connectors	4 EACH	\$150.00	\$600.00	\$65.00	\$260.00	\$70.10	\$280.40
75	625 Conduit Riser	1 EACH	\$600.00	\$600.00	\$440.00	\$440.00	\$463.05	\$463.05
76	625 Trenching	5720 L.F.	\$5.00	\$28,600.00	\$5.00	\$28,600.00	\$5.15	\$29,458.00
77	625 Trench in Paved Areas, Type A	4950 L.F.	\$10.00	\$49,500.00	\$8.00	\$39,600.00	\$8.20	\$40,590.00
78	625 Trench in Paved Areas, Type B	1500 L.F.	\$10.00	\$15,000.00	\$25.00	\$37,500.00	\$26.60	\$39,900.00
79	625 Luminaire, 150 Watt LED Cobra	5 EACH	\$800.00	\$4,000.00	\$700.00	\$3,500.00	\$735.40	\$3,677.00
80	625 Bracket Arm, 14'	1 EACH	\$800.00	\$800.00	\$850.00	\$850.00	\$893.95	\$893.95
81	625 Bracket Arm, 12'	1 EACH	2 \$800.00	\$800.00	\$800.00	\$800.00	\$847.35	\$847.35

BID DATE: February 17, 2015 CODE: 4060-P13015

REF. I	ГЕМ		ENGINEER'S E	STIMATE	1. Kenmore Const	ruction	2. Liberta Construc	ction
NO. N	IO. DESCRIPTION	QTY. UNIT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
82	625 Bracket Arm, 8'	3 EACH	\$800.00	\$2,400.00	\$750.00	\$2,250.00	\$807.00	\$2,421.00
83	625 Plastic Caution Tape	6450 L.F.	\$0.50	\$3,225.00	\$0.25	\$1,612.50	\$0.25	\$1,612.50
84	625 Pullbox, Polymer Concrete, 13" x 24"	2 EACH	\$600.00	\$1,200.00	\$450.00	\$900.00	\$489.30	\$978.60
85	625 Pullbox, Polymer Concrete, 24"x36"x24"	28 EACH	\$900.00	\$25,200.00	\$770.00	\$21,560.00	\$836.85	\$23,431.80
86	625 Pullbox, Ploymer Concrete, 30"x48"x24"	15 EACH	\$900.00	\$13,500.00	\$1,000.00	\$15,000.00	\$1,134.00	\$17,010.00
87	625 Pullbox, Polymer Concrete, 18"x24"x18"	7 EACH	\$900.00	\$6,300.00	\$500.00	\$3,500.00	\$610.05	\$4,270.35
88	630 Conduit, Schedule 40, PVC, 2"	1050 L.F.	\$6.00	\$6,300.00	\$12.00	\$12,600.00	\$12.70	\$13,335.00
89	630 Conduit, Schedule 80, PVC, 3"	4141 L.F.	\$7.00	\$28,987.00	\$9.00	\$37,269.00	\$10.20	\$42,238.20
90	630 Conduit, Schedule 40, PVC, 3"	14000 L.F.	\$7.00	\$98,000.00	\$3.00	\$42,000.00	\$1.00	\$14,000.00
91	630 Ground Rod	39 EACH	\$200.00	\$7,800.00	\$135.00	\$5,265.00	\$146.20	\$5,701.80
92	630 Traffic Sign - Type A	40 EACH	\$125.00	\$5,000.00	\$170.00	\$6,800.00	\$174.00	\$6,960.00
93	632 Traffic Sign - Type B	71 EACH	\$150.00	\$10,650.00	\$175.00	\$12,425.00	\$214.60	\$15,236.60
94	632 Traffic Sign Reset	5 EACH	\$50.00	\$250.00	\$70.00	\$350.00	\$87.00	\$435.00
95	632 Sign Hanger Assembly (Mast Arm)	48 EACH	\$100.00	\$4,800.00	\$220.00	\$10,560.00	\$261.00	\$12,528.00
96	632 Sign, Flat Sheet, Type	144 S.F.	\$20.00	\$2,880.00	\$16.00	\$2,304.00	\$19.15	\$2,757.60
97	632 Removal of Traffic Signal Installation	4 EACH	\$2,000.00	\$8,000.00	\$2,200.00	\$8,800.00	\$2,339.40	\$9,357.60
98	632 Pedestal	18 EACH	\$200.00	\$3,600.00	\$700.00	\$12,600.00	\$759.35	\$13,668.30
99	632 Pedestal Foundation	18 EACH	\$500.00	\$9,000.00	\$500.00	\$9,000.00	\$539.70	\$9,714.60
100	632 Signal Support Foundation	15 EACH	\$3,000.00	\$45,000.00	\$1,700.00	\$25,500.00	\$1,842.75	\$27,641.25
101	632 Combination Signal Support, Type 3	3 eACH	\$9,000.00	\$27,000.00	\$5,800.00	\$17,400.00	\$6,240.15	\$18,720.45
102	632 Signal Support, Type 3	6 EACH	\$9,000.00	\$54,000.00	\$5,000.00	\$30,000.00	\$5,491.75	\$32,950.50
103	632 Combination Signal Support, Type 6	1 EACH	\$9,000.00	\$9,000.00	\$11,000.00	\$11,000.00	\$12,713.95	\$12,713.95
104	632 Combination Signal Support, Type 11	1 EACH	\$9,000.00	\$9,000.00	\$6,500.00	\$6,500.00	\$7,594.65	\$7,594.65
105	632 Signal Support, Type 11	4 Each	\$9,000.00	\$36,000.00	\$6,200.00	\$24,800.00	\$7,320.90	\$29,283.60
106	632 Vehicular Signal Head, LED, 3-Section, 12 inch Lens	32 EACH	\$600.00	\$19,200.00	\$700.00	\$22,400.00	\$760.20	\$24,326.40
107	632 Vehicular Signal Head, LED, 5-Section, 12 inch Lens	4 EACH	\$1,000.00	\$4,000.00	\$1,000.00	\$4,000.00	\$1,252.65	\$5,010.60
108	632 Pedestrian Signal Head, LED, Type D2 Countdown	36 EACH	\$800.00	\$28,800.00	\$450.00	\$16,200.00	\$481.45	\$17,332.20
109	632 Covering of Vehicular Signal Head	36 EACH	\$10.00	\$360.00	\$40.00	\$1,440.00	\$44.65	\$1,607.40
110	632 Pedestrian Push-button, APP	36 EACH	\$200.00	\$7,200.00	\$250.00	\$9,000.00	\$304.50	\$10,962.00
111	632 Signal Cable, 7 Conductor, No. 14 AWG	7800 L.F.	\$2.50	\$19,500.00	\$2.00	\$15,600.00	\$2.50	\$19,500.00
112	632 Power Service	5 EACH	\$2,000.00	\$10,000.00	\$1,500.00	\$7,500.00	\$1,864.80	\$9,324.00
113	632 Video Detection System	18 EACH	\$6,000.00	\$108,000.00	\$6,000.00	\$108,000.00	\$6,466.95	\$116,405.10
114	632 Interconnect Misc., 48 Count fiber, Loose Tube	5700 L.F.	\$2.00	\$11,400.00	\$4.50	\$25,650.00	\$4.95	\$28,215.00
115	632 Interconnect, Misc.: Fiber Optic Connector	10 EACH	\$30.00	\$300.00	\$30.00	\$300.00	\$31.50	\$315.00
116	632 Interconnect, Misc.: Fiber Optic Patch Cord, 4 Fiber	5 EACH	\$100.00	\$500.00	\$110.00	\$550.00	\$119.70	\$598.50
117	632 Interconnect, Misc.: Terminal Panel, Controller	5 EACH	\$300.00	\$1,500.00	\$290.00	\$1,450.00	\$308.70	\$1,543.50
118	632 Interconnect, Misc.: Fusion Splice	40 EACH	\$22.00	\$880.00	\$40.00	\$1,600.00	\$45.35	\$1,814.00
119	633 Interconnect, Misc.: Fan Out Kit, 6 Fiber	5 EACH	\$30.00	\$150.00	\$55.00	\$275.00	\$61.75	\$308.75
120	633 Interconnect Cable, Misc.: Drop Cable, 6 Fiber	403 L.F.	\$30.00	\$12,090.00	\$12.00	\$4,836.00	\$12.65	\$5,097.95
121	633 Interconnect, Misc.: Splice Enclosure (Aerial or	5 EACH	\$300.00	\$1,500.00	\$550.00	\$2,750.00	\$578.35	\$2,891.75
122	633 Interconnect, Misc.: Slack Installation	11 EACH	\$400.00	\$4,400.00	\$120.00	\$1,320.00	\$128.50	\$1,413.50
123	633 Interconnect, Misc.: Fiber Optic Cable Testing	1 L.S.	\$1,000.00	\$1,000.00	\$2,500.00	\$2,500.00	\$2,783.55	\$2,783.55
124	633 Interconnect Misc.: Fusion Splicer	1 EACH	\$10,000.00	\$10,000.00	\$9,000.00	\$9,000.00	\$9,922.50	\$9,922.50
125	633 Interconnect Misc.: Optical Time Domain Reflectomete	1 EACH	\$10,000.00	\$10,000.00	\$11,800.00	\$11,800.00	\$13,461.50	\$13,461.50
126	633 Uninterruptible Power Service	5 EACH	\$6,000.00 3	\$30,000.00	\$6,000.00	\$30,000.00	\$7,080.15	\$35,400.75
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REF. ITEM			ENGINEER'S I	ESTIMATE	1. Kenmore Cons	truction	2. Liberta Construction	
NO. 1	NO. DESCRIPTION	QTY. UNIT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
127	653 Controller Misc.: Fiber Optic Ethernet Transceiver	5 EACH	\$3,000.00	\$15,000.00	\$2,000.00	\$10,000.00	\$2,281.15	\$11,405.75
128	659 Controller Misc.: Preemption Priority Control	5 EACH	\$5,000.00	\$25,000.00	\$4,000.00	\$20,000.00	\$5,093.55	\$25,467.75
129	663 Controller Work Pad	5 EACH	\$250.00	\$1,250.00	\$500.00	\$2,500.00	\$539.70	\$2,698.50
130	663 Controller Unit, Type Cobalt with Cabinet	5 EACH	\$15,000.00	\$75,000.00	\$10,000.00	\$50,000.00	\$12,012.00	\$60,060.00
131	663 Cabinet Foundation	5 EACH	\$1,000.00	\$5,000.00	\$900.00	\$4,500.00	\$1,085.70	\$5,428.50
132	633 Controller Misc.: Centralized System Expansion, as pe	1 L.S.	\$30,000.00	\$30,000.00	\$31,000.00	\$31,000.00	\$31,576.65	\$31,576.65
133	633 Controller Misc.: Centralized System Intersection Integ	1 L.S.	\$750.00	\$750.00	\$8,000.00	\$8,000.00	\$8,326.50	\$8,326.50
134	653 Topsoil Furnished & Placed, 4" Thick	4000 S.Y.	\$4.00	\$16,000.00	\$4.70	\$18,800.00	\$5.00	\$20,000.00
135	659 Lawn Seeding and Mulching	4000 S.Y.	\$4.00	\$16,000.00	\$1.50	\$6,000.00	\$2.50	\$10,000.00
136	663 Tree, Lawn Strip - Valley Forge American Elm	49 Each	\$200.00	\$9,800.00	\$420.00	\$20,580.00	\$464.00	\$22,736.00
137	663 Tree Planting with Grate - Amur Maackia	15 EACH	\$350.00	\$5,250.00	\$1,950.00	\$29,250.00	\$2,560.60	\$38,409.00
138	663 Tree, Lawn Strip - Spring Snow Crabapple	11 EACH	\$200.00	\$2,200.00	\$350.00	\$3,850.00	\$464.00	\$5,104.00
139	669 Root Cutting (Pre-Excavation)	100 L.F.	\$50.00	\$5,000.00	\$4.00	\$400.00	\$4.65	\$465.00
140	SPEC Light Pole, Complete in Place	40 EACH	\$3,500.00	\$140,000.00	\$4,300.00	\$172,000.00	\$5,189.25	\$207,570.00
141	SPEC Metered Power Service, (Milbank)	5 EACH	\$2,000.00	\$10,000.00	\$1,500.00	\$7,500.00	\$1,955.75	\$9,778.75
TOTAL	CONSTRUCTION COSTS			\$4,001,771.50		\$4,331,246.50		\$4,419,078.05
+/- ENC	GINEER'S ESTIMATE					+8.2%	•	+10.4%

ESTIMATE OF PROJECT PROJECT CODE NAMER FILE MARKER 2003- BID DATE:	CT COSTS Witten Road Improvements (Calles to 1-77) 202-50				November 25, 2014 February 4, 2015										
	Final ESTIMATE of cost for the improvement of Codine to 177														
REF. ITEM	DESCRIPTION	QUAN	INTS	PROE	AMOUNT \$25,000.00	SPLIT	COMMON	WCF	CITY	SLA	525.000.00	50	Useful Life 40	30	_ z
2 20 3 20 4 20 5 20	Contract ventration and Tree Burnout. (If Tree Burnout. (If Tree Remont. 37 Pice Attendended	250	EADH EADH	\$300.00 \$400.00 \$100.00	\$2,000.00 \$2,000.00 \$400.00 \$2,500.00		\$2,000				\$25,000.00				
6 200 7 200 8 200	Pipe remains Exceeding Industry Embankment Construction Appropria Refil Type 1 Accrepate Refil Type 2	13877 3000 3000	CY. CY.	\$15.00 \$30.00 \$30.00	\$200,152.00 \$200,000.00 \$50,000.00							\$208,155.00 \$90,000.00			
9 207 10 250 11 254 12 254	Street or Hay States Trenches for Water Services Trenches for Water Services Ginch Ductile Iron Plos	40 20 100	LF. LF.	\$15.00 \$15.00 \$100.00 \$100.00	\$264.00 \$600.00 \$2,000.00 \$10,000.00						\$264.00				
54 259 55 259 56 259	10 Inch x 6 Inch Tacoing Siense 10 Inch x 6 Inch Tacoing Siense 6 Inch 45 Degree Siend		EACH EACH EACH	\$1,500,00 \$1,500,00 \$500,00	\$4500.00 \$1500.00 \$500.00										
10 259 10 250 10 260 20 260	6 your 90 Legies serior 50 inch 45 Degree Band Fire Hedrard Fire Hedrard, Reset	3	EACH EACH EACH	\$800.00 \$1,000.00 \$1,000.00	\$1,200.00 \$3,200.00 \$4,500.00 \$6,000.00										
22 207 23 304 24 304	Whater Main Value Adust Filter Fabric Fences 6 inch Bitminious Apprecase Base Apprecase Base, 12 Thick (Limestone Crity)	5000 2700 7950	LF. C.Y.	\$100 \$100 \$100 \$3000	\$15,000.00 \$270,000.00 \$238,500.00						\$15,000.00		\$270,000.00 \$238,500.00		
26 407 27 446 28 446	Appeal Concess 4" thick University Reconstruction Tack Cod Appeal Concess Intermediate Course, Type 2, Medium, PG 64-22, 2" Thick Appeal Concess Surface Course, Type 1, Medium, PG 64-22, 114" Thick	862 1350 600	GN CY.	\$2.00 \$110.00 \$130.00	\$1,724.00 \$1,46.500.00 \$78.000.00								\$148,500.00 \$78,000.00 \$465,000.00		
29 451 20 452 21 455 32 456	#F Reinforced Portland Comment Concrete Programmer with Integrated Curb TP Portland Comment Concrete Programmer, Parking Curb, Type 6" X 49" Concrete Walk, 4 Inches Trick House Walk	7750 260 11000 200	S.Y. S.F.	\$20.00 \$20.00 \$4.00	\$1,200.00 \$1,200.00 \$220.000.00 \$1,200.00								\$5,200.00	\$220,000.00	
33 456 34 456 35 456	Concrete Drieseau Reconstruction, 6 inches Thick Concrete Walk, 6 inches Thick Curb Remos	2500 50000	S.F. S.F. EADH	\$6.00 \$6.00 \$500.00	\$15,000.00 \$300.000.00 \$34,500.00									\$300,000.00	
36 456 37 552 38 552 39 552	Concrete Aerons, G inches Thick Sin Storm Seasor, Type A. Class B Bedding Sin Storm Seasor, Type A. Class B Bedding Sin Storm Seasor, Type A. Class B Bedding	10000 70 10	SE LE LE	\$6.00 \$50.00 \$100.00	\$1,000.00 \$1,000.00 \$1,000.00									\$60,000.00	
40 550 41 556 42 556	tain parm sever, top A. Class Bedding Sin Init Connection Type A. Class Bedding House Drain Pipe. Complete House Drain Pipe. Top A.	380 200 1000	LF. EACH LF.	\$50.00 \$25.00 \$5.00	\$72,800.00 \$5,000.00 \$5,000.00									\$22,800.00	
40 555 44 557 45 563	House Drain Pipe, Type B 50 Inch Sandary Sever. Type A. Class B Bedding	500 50	LF. LF. EADH	\$5.00 \$100.00 \$1,800.00	\$2,500.00 \$5,000.00 \$3,600.00									\$3,600.00	
46 562 47 563 48 563 49 564	Selection represents a selection content. Brick Membries Adjusted Inste. Double No. 5 (Casting Provided) Inste. Double No. 5 (Casting Drovided) 4 inch Plots Underdouble	2 44 11000	EADH EADH LF.	\$300.00 \$500.00 \$1.000.00 \$4.00	\$18,000.00 \$1,000.00 \$44,000.00 \$44,000.00							\$18,000.00 \$44,000.00		\$44,000.00	
50 600 51 600 52 604 53 609	Limestone Umestone for Drivevay Reconstruction, 6" Thick Bank Run Grueel Engineering Grid for Roadways, Type BX1200	100 40 100 1200	C.Y. S.Y. C.Y.	\$25.00 \$15.00 \$10.00 \$5.00	\$2,500.00 \$600.00 \$1,000.00 \$60,000.00						1	\$1,000.00	\$2,500.00		
54 600 55 613 56 614 57 616	Engineering Grid for Roadseaux, Type BX1300 Uniformed Law Enforcement Officer Maintaining Traffic Calcium Chloride	12000 200 1	S.Y. HOUR LS. Tons	\$5.00 \$35.00 \$20.000.00 \$20.00	\$50,000.00 \$7,000.00 \$20,000.00 \$150.00		\$20,000.00				\$7,000.00 \$20,000.00				
50 645 000 60 645 000 61 645 000	Field Office T Charmelizing Lines, 8 Inch T Thompserse Lines T Lange Arross	265 192	LE. LE. LE.	\$2,000.00 \$2,00 \$2,00 \$400.00	\$5,000.00 00,0032 00,000 \$160.00		\$5,000.00				\$5,000.00				
62 645 000 63 645 000 64 645 000 65 645 000	1. Salar province. T Silok Lares, 4º Sobd T Silok Lares Symbol T Darking Lot Sald Marking, 4in T Daphod Line, Lares Line, 4in	8000 16 328 341	LF. EADI LF. LF.	\$1,25 \$500,00 \$1,25 \$1,25	\$10,000.00 \$8,000.00 \$410.00 \$407.50					Ė					
65 545 000 67 545 000 68 545 000 69 522	December of Section 1 Dece	420 1700 10000	LF. LF. LF. EADH	\$6.00 \$5.00 \$2.50 \$300.00	\$2,500.00 \$8,500.00 \$25,000.00 \$25,000.00								\$5,100.00		
69 622 70 623 71 624 72 625 73 625	Hoters talk Control solds Hoters talk Control provided Control to I sound Solds Mobilization ANC So. 4 Tipe USE Concer 600 Vol Distribution 7 PVC Sol. 40 Conduit	5830 5830	LS. LS. LF.	\$300.00 \$10.000.00 \$25.000.00 \$2.50 \$6.00	\$5,100.00 \$10,000.00 \$25,000.00 \$17,075.00 \$40,980.00		\$10,000,00 \$25,000,00			\$17.075.00 \$40.980.00	\$10,000.00 \$25,000.00				
74 625 75 625 76 625 77 625	Z PVC Sch. 40 Conduit 4 unit Mole Connectors Conduit Riser Terching	5720	EACH EACH LF.	\$150.00 \$150.00 \$500.00 \$5.00	\$500.00 \$500.00 \$28,500.00					\$600.00 \$600.00 \$20.00 \$20.00					
77 625 78 625 79 625 80 625	Brench in Passed Anna. Tupa A Tranch in Passed Anna. Tupa B Lurrinaise. 150 Watt LED Cobes Bracket Arm. 147	1500 1500	LF. EADH EADH	\$10,00 \$10,00 \$800,00 \$800,00	\$15,000.00 \$15,000.00 \$3,200.00 \$800.00					\$15,000,00 \$1,200,00 \$2,000,00					\$3,200.00 \$800.00
82 625 83 625 84 625	Bracket Avn. II Plastic Caution Tape Pullbox Polymer Concrete. 12" x 26"	6450	EACH LF. EACH	\$800,00 \$0,50 \$600,00	\$2,400.00 \$3,225.00 \$1,200.00					\$2,400.00 \$1,225.00 \$1,200.00					
85 625 87 625 88 625	Pullbox Polymer Concrete, 24°050°04° Pullbox Polymer Concrete, 30°060°04° Pullbox Polymer Concrete, 10°060°04° Conduit, Schedule 40, PVC, 2°	15 7 1050	EACH EACH LF.	\$900.00 \$900.00 \$900.00	\$25,200.00 \$13,500.00 \$6,300.00 \$6,300.00										\$25,200.00 \$6,300.00 \$6,300.00
90 625 90 625 91 675 92 630	Conduit Schedule 50, PVC, 3* Conduit Schedule 40, PVC, 3* School 60th Traffic Sign - Type A	4545 14000 29	LF. EACH EACH	\$7.00 \$7.00 \$200.00 \$125.00	\$28,987.00 \$98,000.00 \$7,800.00 \$5,000.00										\$6,300.00 \$6,300.00 \$38,500.00 \$38,000.00 \$7,500.00 \$5,000.00 \$10,550.00 \$250.00
20 630 94 630 26 630	Traffic Sign - Type B Traffic Sign Reset Sign Hanger Assembly (Most Arm) Sign Flan Sheet, Type	71 5 41	EADH EADH EADH S.F.	\$150.00 \$50.00 \$100.00 \$20.00	\$10,650.00 \$250.00 \$4,800.00 \$2,880.00										\$10,650.00 \$250.00 \$4,800.00 \$2,880.00
97 632 98 633 99 632 100 632	Berougi of Traffic Signal Installation Declarate Padestria Foundation Signal September Foundation	18 18	EADH EADH EADH	\$2,000,00 \$200,00 \$500,00 \$1,000,00	\$8,000.00 \$3,600.00 \$9,000.00 \$45,000.00 \$27,000.00						-				\$3,600.00 \$8,000.00 \$45,000.00
100 632 101 632 102 632 103 632 104 632	Combination Signal Support. Type 3 Signal Support. Type 3 Combination Signal Support. Type 6 Combination Signal Support. Type 6	5	EACH EACH EACH	\$2,000.00 \$2,000.00 \$2,000.00	\$27,000.00 \$54,000.00 \$9,000.00 \$9,000.00										\$54,000.00
105 632 106 632 107 632 108 632	Signal Support Type 11 Vehicular Signal Head LED 3-Section 12 inch Lens Vehicular Signal Head LED 3-Section 12 inch Lens Redestion Signal Head LED 3-Section 12 inch Lens Redestion Signal Head LED 3 type 20 Countries	22 4 35	EACH EACH EACH EACH	\$9,000,00 \$800,00 \$1,000,00 \$800,00	\$36,000.00 \$19,200.00 \$4,000.00 \$28,800.00										\$36,000.00 \$19,200.00 \$4,000.00 \$28,800.00
100 630 110 632 111 632 112 633	Ensertion of Vabinities Stonel Mean! Pedestrian Push-button, APP Sonel Cable, 7 Conductor, No. 14 AWG Draws Soneline	36 36 7800	EACH EACH LF. EACH	\$10.00 \$200.00 \$2.50 \$2.000.00	\$7,200.00 \$7,200.00 \$19,500.00 \$10,000.00										\$7,200.00 \$19,500.00 \$10,000.00
113 632 114 632 115 632 116 632	Video Detection System Interconnect Mac. 48 Count Sher, Loose Tube Interconnect Mac. 18 Count Sher, Loose Tube	5700 5700	EACH EACH EACH	\$2.000.00 \$2.00 \$30.00	\$108,000.00 \$11,400.00 \$100.00										\$7,200.00 \$19,500.00 \$19,000.00 \$19,000.00 \$11,400.00 \$11,400.00 \$15,000.00 \$1,500.00 \$15,000.00 \$15,000.00
117 632 116 632 119 632 120 632	Interconnect Mac : Tener per Service Lock & Lock Interconnect Mac : Tener Dec Service Cabinet Interconnect Mac : Tener Del Di E Elbar Interconnect Mac : Tener Del Di E Elbar Interconnect Cabin Mac : Dec Cable 6 Elber	40 5	EACH EACH	\$300.00 \$22.00 \$30.00 \$30.00	\$1,500.00 \$880.00 \$150.00 \$12,000.00										\$1,500,00 \$280,00 \$150,00
121 632 122 632 123 632	Interconnect Misc. Solet Enclosure (Annie or Understaund: Interconnect Misc. Solet Installation: Interconnect Misc. Shark Installation: Interconnect Misc. Other Color Color Seation General	11	EACH EACH LS.	\$300.00 \$400.00 \$1,000.00	\$1,500.00 \$4,400.00 \$1,000.00										\$15,000.00 \$1,500.00 \$1,500.00 \$1,000.00 \$10,000.00 \$10,000.00 \$10,000.00 \$10,000.00 \$15,000.00 \$15,000.00
125 632 126 633 127 633	Interconnect Mac - Croice Time Domain Reflectometer I bioteconnect Nac - Croice Time Domain Reflectometer I bioteconnect Nac - Disar Croice Sharman Transpositor Controller Mac - Disar Croice Sharman Transpositor		EACH EACH	\$10,000,000 \$1,000,000 \$2,000,000	\$10,000,00 \$10,000,00 \$15,000,00										\$10,000.00 \$10,000.00 \$15,000.00
120 633 130 633 121 633	Controller Work Pad Controller Unit, Type Cobalt with Cabinet Cabinet Foundation	5	EAD! EAD!	\$250.00 \$15,000.00 \$1,000.00	\$1,250.00 \$75,000.00 \$5,000.00										\$1,250,00 \$75,000,00 \$5,000,00 \$30,000,00 \$750,00
133 633 134 653 136 653	Controller Mate: Centralized Seriem Laboration, as per claim Controller Mate: Centralized Seriem Intersection Integration, as per claim Bossel Flurished & Placed, 4" Thick Lawn Seeding and Mulching	4000 4000	LS. S.Y.	\$750,00 \$4,00 \$4,00	\$750.00 \$16.000.00 \$16.000.00									\$16,000.00 \$16,000.00	\$750.00
136 663 137 663 130 663 130 663	Tree, Lawn Sirio - Valley Forge American Elm Tree Planting with Caste - Amur Manckis Tree, Lawn Sirio - Soring Sono Crabapole Boot Cuting (Pre-Excusation)	15 15 100	EACH EACH EACH LF.	\$200.00 \$350.00 \$200.00 \$50.00	\$2,000.00 \$5,250.00 \$2,200.00 \$5,000.00									\$5,250.00 \$5,000.00	
140 SPEC 141 SPEC	Date Polis, Complete in Place Melaned Power Service. (Militarek) Totals Processed Common Items	5	EACH	\$2,000,00 \$2,000,00	\$140,000.00 \$10,000.00		\$85,000,00	\$0.00	\$0.00	\$163,980.00 \$3,559.35		\$ 361,155.00	\$ 1,212,800.00	\$ 727,150.00	\$ 780,187.00 = \$ 3,081,292.00 25,32%
	Processed Common serva Total Estimated Construction Cost				\$4,000,971,50			50.00	\$0.00	\$167,539.35		5.86	15.74	7.08	633 = 35.01
Ē	Uninterruptible Power Service (UPS), 1000 Wat, APP														
	PROPERTY'S PORTION PAIN SCHEDULE OF ASSESSMENTS Paining Overhable Use	5259.37 846.16	LF.		\$35.25 \$17.75			\$185,392.79 \$15,019.34							
	Christia Cas Christia Cas Sanda Cas Agranda Cas Agran	5252.37 846.16 325.59 2367.79 6431.10 10273 2000 0.00 0.00 0.00 0.00	LE LE SE		\$22.90 \$25.25 \$21.25 \$3.05 \$29.00			\$15,019.34 \$17,223.71 \$29,786.70 \$136,660.86 \$31,332.86 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00							
	Som Swer Som Swer Som Swer Santy Sever	0.00 0.00 0.00	LF. EADH LF.		\$29.00			\$5,800.00 \$0.00 \$0.00 \$0.00							
	Sarithry House Laterals Water Mains Water Mains (per S3.04(x)) Water Service Connections	0.00	Each L.F. L.F. Each					\$0.00 \$0.00 \$0.00 \$0.00							
	Resulfacing Pasidential ArterialCollector Pasidential Use	0.00 0.00 0.00 0.00 \$0.00	LF. LF. LF.					\$0.00 \$0.00 \$0.00							
	Charlable Use Full Depth Reconstruction Total Estimated Property's Portion	\$0.00	E.F.		50%			\$0.00 \$0.00 \$451,216.07	0.112776626						
	ARRON FUNDING SOURCES														
	WATER CAPITAL FUND	Estimated Engineeri	Constructing and In	tion Cost spection (20%) Water Main by Di Fund				\$0.00 \$0.00 \$0.00 \$0.00							
	SEWER CAPITAL FUND														
		Entireted Engineeri Less Assa Less Assa	Constructing and In earnersts earnersts	tion Cost spection (20%) for Sanitary Sewe for Sanitary Laten Fund	rs als			\$0.00 \$0.00 \$0.00 \$0.00 \$0.00							
	STREET LIGHT FUND														
		Engineeri Total Total Stre	ng and In	sion Cost spection (20%) and				\$167,539.35 \$33,507.87 \$201,047.22 \$100,523.61							
	PRICIECT COST SUBMARY Total Estimated Construction Cost Contingencies Cand Total Estimated Construction Cost							\$4,000,971.50 \$200,048.58 \$4,201,020.08							
	Grand Total Estimated Construction Cost Engineering Inspection (10%)							\$4,201,020.08 \$150,000.00 \$420,102.01							
	Engineering impaction (1975a) (ABET) (Right-of-Willer) (Right-of-Willer) (Right-of-Willer) Acquaistion Interest on Nate (1975) (Equalization Dead Advantage) Advantage (Advantage) (Advant			\$451,216.07	@ 8% (2 Years at 4%)			\$150,000.00 \$420,102.01 \$25,400.00 \$0.00 \$36,007.29 \$105.00 \$1,500.00 \$3,000.00							
	Equipment solver Advertising Judicial and Legal Services Total Entimated Project Cost								\$4,801,127.08						
	Total Estimated Project Cost SUMMARY OF FUNDING SOURCES							, nas ,224.27	w.,aus, (27.08)						
	City of Akron Property's Portion Water Capital Fund						\$451,216.07 \$0.00 \$0.00								
	City of Alaxon Properly Shaften Properly Shaften Deser Capital Fund Deser Capital Fund Deser Light Fund Chen Capital Budget Scener County GPNC GPNC						\$0.00 \$100,523,61 \$1,148,553,69 \$50,000.00 \$3,086,931.00								
	CPWC Total Estimated Project Cost						\$3,086,931.00 \$4,837,224.37								

TO THE DIRECTOR OF PUBLIC SERVICE OF THE CITY OF AKRON:

The undersigned proposes to furnish all labor, materials, and equipment for and construct the following improvement and all other work incidental thereto, including any and all work and materials that may be necessary to connect the work done with the adjoining work, in a proper and workmanlike manner, and according to the plans and profiles on file in the Bureau of Engineering, and upon the terms and conditions of the specifications and form of contract bound herewith and the rules and regulations of the City, and under the direction and to the satisfaction of the Director of Public Service, at the following unit rates, to-wit:

PLEASE TYPE OR USE BLACK INK

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIM QUANTI UN	TY AND	(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY X UNIT PRICE)
1	103.05	Contract Performance Bond	1	L.S.		
2	201	Tree Removal, 18"	20	EACH		
3	201	Tree Removal, 30"	1	EACH		
4	202	Pipe Abandonded	256	L.F.		
5	202	Pipe Removed	100	L.F.		
6	203	Excavation Including Embankment Construction	13877	C.Y.		
7	203	Aggregate Refill Type 1	3000	C.Y.		
8		Aggregate Refill Type 2	3000	C.Y.		
9		Straw or Hay Bales		EACH		
9	201	Straw of Fray Dates	132	LACIT		
10	252	Trenches for Water Services	40	L.F.		
11	254	10 inch Ductile Iron Pipe	20	L.F.		
12	254	6 inch Ductile Iron Pipe	100	L.F.		
13		6 inch Valve		EACH		
14		12 inch x 6 inch Tapping Sleeve	3	EACH		
15	259	10 inch x 6 inch Tapping Sleeve	1	EACH		
16	259	6 inch 45 Degree Bend	1	EACH		

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIM QUANTI UN	TY AND	(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY X UNIT PRICE)
17	259	6 inch 90 Degree Bend	3	EACH		
18	250	10 inch 45 Degree Bend	4	EACH		
19	260	Fire Hydrant	3	EACH		
20	260	Fire Hydrant, Reset	6	EACH		
21	265	Water Main Valve Adjust	42	EACH		
22	207	Filter Fabric Fence	5000	L.F.		
23	301	6 inch Bituminous Aggregate Base	2700	C.Y.		
24	304	Aggregate Base, 12" Thick (Limestone Only)	7950	C.Y.		
25		Asphalt Concrete, 4" Thick Driveway Reconstruction		S.Y.		
26	407	Tack Coat Asphalt Concrete Intermediate Course, Type 2, Medium,	862	Gal		
27	446	PG 64-22, 3" Thick	1350	C.Y.		
28	446	Asphalt Concrete Surface Course, Type 1, Medium, PG 64-22, 1/4" Thick	600	C.Y.		
29	451	8" Reinforced Portland Cement Concrete Pavement with Integrated Curb	7750	S.Y.		
30	452	7" Portland Cement Concrete Pavement, Parking	260	S.Y.		
31	455	Curb, Type 6" X 18"	11000	L.F.		
32		Concrete Walk, 4 inches Thick House Walk		S.F.		
33	456	Concrete Driveway Reconstruction, 6 inches Thick	2500	S.F.		
34	456	Concrete Walk, 6 inches Thick	50000	S.F.		
35	456	Curb Ramps	69	EACH		

REF.	ITEM		ESTIM QUANTI		(MUST BE COMPLETED)	TOTAL ITEM COST
NO.	NO.	ITEM - DESCRIPTION	UN	IT	UNIT PRICE IN FIGURES	(QUANTITY x UNIT PRICE)
36	456	Concrete Aprons, 6 inches Thick	10000	S.F.		
37	552	12in Storm Sewer, Type A, Class B Bedding	70	L.F.		
38	552	15in Storm Sewer, Type A, Class B Bedding	10	L.F.		
		7.				
39	552	18in Storm Sewer, Type A, Class B Bedding	10	L.F.		
40	553	12in Inlet Connection, Type A, Class Bedding	380	L.F.		
41	556	House Drain Pipe, Complete	200	EACH		
71	330	Floude Brain Fipe, Complete	200	LACIT		
42	556	House Drain Pipe, Type A	1000	L.F.		
43	556	House Drain Pipe, Type B	500	L.F.		
4.4	F F 7	40 inch Coniton Course Time A. Class D. Badding	50	. –		
44	557	10 inch Sanitary Sewer, Type A, Class B Bedding	50	L.F.		
45	562	Manhole MH-2A on Storm Sewer	2	EACH		
46	562	Brick Manhole Adjusted	60	EACH		
47	563	Inlet, Double No. 5 (Casting Provided)	2	EACH		
48	563	Inlet, No. 5 (Casting provided)	44	EACH		
		mos, rec e (edemig previded)				
49	564	4 inch Pipe Underdrains	11000	L.F.		
50	603	Limestone	100	C.Y.		
E4	ഗോ	Limestone for Driveway Reconstruction, 6" Thick	40	S.Y.		
51	003	Elinesione for Driveway Neconstruction, o Thick	40	J. I .		
52	604	Bank Run Gravel	100	C.Y.		
53	609	Engineering Grid for Roadways, Type BX1200	12000	S.Y.		
	e i e	F :		0.11		
54	613	Engineering Grid for Roadways, Type BX1300	12000	S.Y.		

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIM QUANTI UN	TY AND	(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
55	614	Uniformed Law Enforcement Officer	200	HOUR	\$35.00	\$7,000.00
					\$60.00	ψ1,000.00
56		Maintaining Traffic		L.S.		
57	619 ODOT	Calcium Chloride	3	Tons		
58	645 ODOT	Field Office	1	L.S.		
59	645	Channelizing Lines, 8 Inch	265	L.F.		
60	ODOT 645	Transverse Lines	192	L.F.		
61	ODOT 645	Lane Arrows	9	L.F.		
62	ODOT 645	Bike Lane, 4" Solid	8000	L.F.		
63	ODOT 645	Bike Lane Symbol	16	EACH		
64	ODOT 645	Parking Lot Stall Marking, 4in	328	L.F.		
65	ODOT 645	Dashed Line, Lane Line, 4in	350	L.F.		
66	ODOT 645	Stop Lines	430	L.F.		
67	ODOT	Crosswalk Line	1700			
68	622	Center Line, Double Solid	10000	L.F.		
69	623	Monument Boxes (Casting provided)		EACH		
70		Construction Layout Stakes		L.S.		
71	625	Mobilization		L.S.		
72	625	AWG No. 4 Type USE Copper 600 Volt Distribution	6830	L.F.		
73	625	2" PVC Sch. 40 Conduit	6830	L.F.		

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIM QUANTI UN	TY AND	(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY X UNIT PRICE)
74	625	4 unit Mole Connectors	4	EACH		
75	625	Conduit Riser	1	EACH		
			5720			
76		Trenching				
77	625	Trench in Paved Areas, Type A	4950	L.F.		
78	625	Trench in Paved Areas, Type B	1500	L.F.		
79	625	Luminaire, 150 Watt LED Cobra	5	EACH		
80	625	Bracket Arm, 14'	1	EACH		
81	625	Bracket Arm, 12'	1	EACH		
82	625	Bracket Arm, 8'	3	EACH		
83		Plastic Caution Tape	6450			
84	625	Pullbox, Polymer Concrete, 13" x 24"	2	EACH		
85	625	Pullbox, Polymer Concrete, 24"x36"x24"	28	EACH		
86	625	Pullbox, Ploymer Concrete, 30"x48"x24"	15	EACH		
87	625	Pullbox, Polymer Concrete, 18"x24"x18"	7	EACH		
88	630	Conduit, Schedule 40, PVC, 2"	1050	L.F.		
89	630	Conduit, Schedule 80, PVC, 3"	4141	L.F.		
90	630	Conduit, Schedule 40, PVC, 3"	14000	L.F.		
91		Ground Rod		EACH		
92		Traffic Sign - Type A		EACH		

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIM QUANTI UN	TY AND	(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY X UNIT PRICE)
					11001120	011111102
93	632	Traffic Sign - Type B	71	EACH		
94	632	Traffic Sign Reset	5	EACH		
95	622	Sign Hanger Assembly (Mast Arm)	40	EACH		
95	032	Sign Hanger Assembly (Mast Aim)	40	EACH		
96	632	Sign, Flat Sheet, Type	144	S.F.		
97	632	Removal of Traffic Signal Installation	4	EACH		
98	632	Pedestal	18	EACH		
99	632	Pedestal Foundation	18	EACH		
100	632	Signal Support Foundation	15	EACH		
		o.g. a. oupport ouradino.				
101	632	Combination Signal Support, Type 3	3	EACH		
102	632	Signal Support, Type 3	6	EACH		
103	622	Combination Signal Support, Type 6	1	EACH		
103	032	Combination Signal Support, Type 6	<u> </u>	ЕАСП		
104	632	Combination Signal Support, Type 11	1	EACH		
105	632	Signal Support, Type 11	4	EACH		
106	632	Vehicular Signal Head, LED, 3-Section, 12 inch Lens	32	EACH		
107	632	Vehicular Signal Head, LED, 5-Section, 12 inch Lens	4	EACH		
108	632	Pedestrian Signal Head, LED, Type D2 Countdown	36	EACH		
100	302		55	2. (011		
109	632	Covering of Vehicular Signal Head	36	EACH		
110	632	Pedestrian Push-button, APP	36	EACH		
111	632	Signal Cable, 7 Conductor, No. 14 AWG	7800	L.F.		

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIM QUANTI UN	TY AND	(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY X UNIT PRICE)
						-
112	632	Power Service	5	EACH		
113	632	Video Detection System	18	EACH		
114	632	Interconnect Misc., 48 Count fiber, Loose Tube	5700	L.F.		
115	632	Interconnect, Misc.: Fiber Optic Connector	10	EACH		
116	632	Interconnect, Misc.: Fiber Optic Patch Cord, 4 Fiber	5	EACH		
117	632	Interconnect, Misc.: Terminal Panel, Controller Cabinet	5	EACH		
118	632	Interconnect, Misc.: Fusion Splice	40	EACH		
119	633	Interconnect, Misc.: Fan Out Kit, 6 Fiber	5	EACH		
120	633	Interconnect Cable, Misc.: Drop Cable, 6 Fiber	403	L.F.		
121	633	Interconnect, Misc.: Splice Enclosure (Aerial or Underground)	5	EACH		
122	633	Interconnect, Misc.: Slack Installation	11	EACH		
123	633	Interconnect, Misc.: Fiber Optic Cable Testing General	1	L.S.		
124	633	Interconnect Misc.: Fusion Splicer	1	EACH		
125	633	Interconnect Misc.: Optical Time Domain Reflectometer	1	EACH		
126	633	Uninterruptible Power Service	5	EACH		
127	653	Controller Misc.: Fiber Optic Ethernet Transceiver	5	EACH		
128	659	Controller Misc.: Preemption Priority Control	5	EACH		
129	663	Controller Work Pad	5	EACH		
130	663	Controller Unit, Type Cobalt with Cabinet	5	EACH		

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY X UNIT PRICE)
131	663	Cabinet Foundation	5	EACH		
132	633	Controller Misc.: Centralized System Expansion, as per plan	1	L.S.		
133	633	Controller Misc.: Centralized System Intersection Integration, as per plan	1	L.S.		
134	653	Topsoil Furnished & Placed, 4" Thick	4000	S.Y.		
135	659	Lawn Seeding and Mulching	4000	S.Y.		
136	663	Tree, Lawn Strip - Valley Forge American Elm	49	EACH		
137	663	Tree Planting with Grate - Amur Maackia	15	EACH		
138	663	Tree, Lawn Strip - Spring Snow Crabapple	11	EACH		
139	669	Root Cutting (Pre-Excavation)	100	L.F.		
140	SPEC	Light Pole, Complete in Place	40	EACH		
141	SPEC	Metered Power Service, (Milbank)	5	EACH		
	UNOFFICIAL CONSTRUCTION COST:					

PLEASE COMPLETE THE PROPOSAL FORMS BOUND HEREIN AND SUBMIT THE ENTIRE BOOK. DO NOT REMOVE ANY PAGES. ALL ERASURES MUST BE INITIALED AND DATED BY THE BIDDER.

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BIDDING SCHEDULE CONTINUED ON NEXT PAGE

FILE NO.

CITY OF AKRON DEPARTMENT OF PUBLIC SERVICE, BUREAU OF ENGINEERING ENGINEER'S ESTIMATE

ESTIMATE NO. DATE CODE FINANCE DEPT. NO.		PROJECT CONTRACTOR				
		CONTRACTOR				
1 1147 414	02 021 1:110					
REF.	ITEM NO	DESCRIPTION	ESTIMATE	LINIT	ACTUAL	COMPLETE

FILE NO.

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FILE NO.

CITY OF AKRON DEPARTMENT OF PUBLIC SERVICE, BUREAU OF ENGINEERING FNGINEER'S ESTIMATE

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APPROVED: CITY ENGINEER

PROJECT MANAGER

DATE OF PROJECT WORK ACCEPTANCE_____

DATE: